

Title (en)
Electric power steering system

Title (de)
Elektrische Servolenkung

Title (fr)
Système de direction assistée électrique

Publication
EP 1905672 B1 20091125 (EN)

Application
EP 07116936 A 20070921

Priority
• US 84797706 P 20060928
• US 89443207 A 20070821

Abstract (en)
[origin: EP1905672A2] An electric power steering system for a vehicle including a shaft assembly (22), a torque sensor assembly (18) in operable communication with the shaft assembly (22), and a housing (12) disposed around the torque sensor assembly (18). The shaft assembly (22) includes a first shaft element (24), a second shaft element (26), and a torsion bar (28) coupling the second shaft element (26) to the first shaft element (24). At least one bearing (33a) is positioned between the first shaft element (24) and the second shaft element (26) for supporting a portion of the first shaft element (24) within the housing. The housing (12) includes a first housing portion (14) and a second housing portion (16) secured to the first housing portion (14) by an interference fit formed between the first and second housing portions.

IPC 8 full level
B62D 6/10 (2006.01)

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B62D 5/0403 (2013.01 - EP US); **B62D 6/10** (2013.01 - EP US); **B62D 15/0215** (2013.01 - EP US)

Cited by
CN104884335A; US9731753B2; WO2014079635A1

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